

September 22, 2023

Aula Magna Enric Casassas, Facultat de Física (UB)

PHASE TRANSITIONS IN MATERIALS

Honoring the 70th birthday of Prof. Antoni Planes



9.30-9.45 *Welcome by Xavier Batlle* (Head of the Dept. of Condensed Matter Physics)

9.45-10.30 **Lluís Mañosa** (UB). *Toni: The Quiet Wisdom.*

10.50-11.20 **Avadh Saxena** (Los Alamos National Laboratory, US). *A mesoscopic peregrination through phase transitions: Ferroics, multiferroics and beyond.*

11.20-11.50 **Mehmet Acet** (Duisburg Essen Universität, Germany). *Magnetism of Ni-Mn-based functional Heuslers.*

11.50-12.20 **Ekhard Salje** (University of Cambridge, UK). *Progress in Avalanche Research.*

12.20-12.40 **Jordi Marcos** (CELLS-ALBA). *ALBA Synchrotron: past, present and future of Catalonia's Synchrotron Light Source.*

12.40-13.00 **Marcel Porta** (UB). *Comparison between elastocaloric and flexocaloric effects in shape memory alloys.*

14.30-15.00 **Xavier Moya** (University of Cambridge, UK). *Ferroelectric materials and devices.*

15.00-15.20 **Jordi Ortín** (UB). *In the beginning, there was the thermodynamics of hysteresis.*

15.20-15.40 **Pol Lloveras** (UPC). *Disorder as a source of colossal barocaloric effects.*

16.00-16.20 **Carlos Frontera** (ICMAB). *Spin Hall magnetoresistance in $\text{La}_2\text{CoMnO}_6/\text{Pt}$ bilayers and the role of magnetic interface.*

16.20-16.50 **Francisco José Pérez-Reche** (University of Aberdeen, UK). *Power-law and lognormal avalanche size statistics in solids and living cells.*

16.50-17.20 **Eduard Vives** (UB). *Labquakes: scale invariance, power-laws and double powerlaws.*

17.20-17.50 Online contributions.



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